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東京大学理学部 1 号館西棟 11 階 1109 号室 (天文学専攻会議室) にて

“Massive Stars in the Solar Neighbourhood”

Norbert Przybilla (University of Innsbruck)

Improved observational data, upgraded models and a novel analysis methodology facilitated us to study OB stars at unprecedented accuracy and precision. The investigation of a sample of single massive stars in the extended solar neighbourhood has shown that this region in the Milky Way is chemically highly homogeneous at present day, with wide-ranging implications for the efficiency of mixing processes in the interstellar medium, and for our understanding of the composition of interstellar dust. A comparison of these cosmic abundances with the solar elemental composition allows even new constraints on the origin of the solar system to be derived.